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| 09/718,477      | 11/24/2000  | Henry G. Pajak       | 105730              | 3520             |

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EXAMINER

WON, MICHAEL YOUNG

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2155

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/718,477

Applicant(s)

PAJAK ET AL.

Examiner

Michael Y. Won

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This action in response to the amendment filed June 20, 2005.
2. Claims 1, 11, and 21 have been amended.
3. Claims 1-25 have been examined and are pending with this action.

#### ***Claim Rejections - 35 USC § 112***

4. Based on the amendment filed June 20, 2005, the rejection of claim 1 under 35 U.S.C. 112, second paragraph has been withdrawn

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 1-12 and 17-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prithviraj et al. (US 5,987,513 A) in view of Dadiomov et al. (US 6,529,932 B1).

**INDEPENDENT:**

As per **claim 1**, Prithviraj teaches a method for operating a Web-based management system of a plurality of networked devices (see title and Fig.1), comprising: automatically collecting and analyzing networked device information from the networked devices (see col.3, lines 4-22); processing data related to the networked devices by at least one Web object (see col.3, lines 35-48; col.9, lines 53-58; and col.23, lines 8-11); and independently assembling and displaying data related to the networked device information on a distributed network (see col.2, lines 47-52 and col.3, lines 35-52).

Prithviraj does not explicitly teach of providing a runtime support to ensure that the data is atomically processed per event without being interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis. Dadiomov teaches of providing a runtime support to ensure that the data is atomically processed per event without being interrupted (see col.1, lines 51-57; col.4, lines 51-67; and col.11, lines 15-23 & 43-47), wherein the runtime support includes an event queue that operates on a first-in-first-out basis (see col.1, line 51-57: "exactly-once **in-order**"; col.4, lines 51-61; and col.8, lines 12-14: "store the newly received message in a buffer queue while waiting for the in-order message to arrive").

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Dadiomov within the system of Prithviraj by implementing processing events without being interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis within the method for operating a Web-based management system because Dadiomov teaches that in a distributed transaction processing “the operations in a transaction must be performed atomically” (see col.1, lines 15-16), as such would inherently avoid corrupt or wrong data and ensure data integrity (see col.11, lines 19-22).

As per **claim 11**, Prithviraj teaches a method for efficient Web-based presentation of data gathered from networked devices (see col.1, lines 6-9), comprising: automatically gathering data from at least one networked device (see col.3, lines 4-22) using server (see col.2, lines 48-52) Web-object state transitions, events and actions (see col.3, lines 13-15) independently of user interaction (see col.3, lines 49-52); and processing the data related to the at least one networked device by at least one Web object (see col.3, lines 35-48; col.9, lines 53-58; and col.23, lines 8-11).

Although Prithviraj teaches of web-object state transitions, Prithviraj does not explicitly teach of providing a runtime support to ensure that the transitions are atomic so that they cannot be interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis. Dadiomov teaches of providing a runtime support to ensure that the transitions are atomic so that they cannot be interrupted (see col.1, lines 51-57; col.4, lines 51-67; and col.11, lines 15-23 & 43-47), wherein the runtime support includes an event queue that operates on a first-in-first-out basis (see

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col.1, line 51-57: "exactly-once **in-order**"; col.4, lines 51-61; and col.8, lines 12-14:

"store the newly received message in a buffer queue while waiting for the in-order message to arrive").

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Dadiomov within the system of Prithviraj by implementing ensure that the transitions are atomic so that they cannot be interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis within the method for operating a Web-based management system because Dadiomov teaches that in a distributed transaction processing "the operations in a transaction must be performed atomically" (see col.1, lines 15-16), as such would inherently avoid corrupt or wrong data and ensure data integrity (see col.11, lines 19-22).

As per **claim 21**, Prithviraj teaches a data presentation system for a plurality of networked devices (see col.1, lines 6-9), comprising: at least one Web object to form a Web page, a Web object being a self-contained entity with object data, an associated presentation and a state machine lifecycle (see col.3, lines 35-48).

Although Prithviraj teaches of web-object processes, Prithviraj does not explicitly teach of providing a runtime support to ensure that the events are processed atomically so that the processing cannot be interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis. Dadiomov teaches of providing a runtime support to ensure that the events are processed atomically so that the processing cannot be interrupted (see col.1, lines 51-57; col.4, lines 51-67; and col.11,

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lines 15-23 & 43-47), wherein the runtime support includes an event queue that operates on a first-in-first-out basis (see col.1, line 51-57: "exactly-once **in-order**"; col.4, lines 51-61; and col.8, lines 12-14: "store the newly received message in a buffer queue while waiting for the in-order message to arrive").

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Dadiomov within the system of Prithviraj by implementing ensure that the transitions are atomic so that they cannot be interrupted, wherein the runtime support includes an event queue that operates on a first-in-first-out basis within the method for operating a Web-based management system because Dadiomov teaches that in a distributed transaction processing "the operations in a transaction must be performed atomically" (see col.1, lines 15-16), as such would inherently avoid corrupt or wrong data and ensure data integrity (see col.11, lines 19-22).

**DEPENDENT:**

As per **claim 2**, Prithviraj further teaches wherein analyzing the networked device information includes creating metrics data (see col.3, lines 9-12) and the displayed data includes the metrics data (see col.3, lines 54-57).

As per **claim 3**, Prithviraj further teaches wherein the networked device information includes internal and external data from the networked devices (see col.2, line 65-col.3, line 3: "network elements" and col.3, lines 52-54).

As per **claim 4**, Prithviraj further teaches wherein at least one of graphical, textual, statistical, metrics and status data is generated and presented to a user on demand (see col.3, lines 43-48).

As per **claim 5**, Prithviraj further teaches wherein collecting and analyzing networked device information from the networked devices is automated by using a network database (see claim 1 rejection and col.3, lines 49-52).

As per **claim 6**, Prithviraj further teaches wherein collecting and analyzing networked device information is executed concurrently from more than one of the networked devices (implicit: see col.3, lines 50-52: "using a browser in a known way"; Web documents are infinitely reproducible).

As per **claim 7**, Prithviraj further teaches wherein assembling and displaying the data related to the networked device information on a distributed network comprises creating at least one Web page from at least one Web object, wherein the at least one Web object is a self-contained entity with object data, an associated presentation and a state machine lifecycle (see col.3, lines 35-48).

As per **claim 8**, Prithviraj further teaches wherein creating the at least one Web page uses networked device information as well as events and data from at least one other Web object (see col.3, lines 19-22).

As per **claim 9**, Prithviraj teaches of further comprising generalizing the form of the at least one Web object as a template so that the at least one Web page is created separately (see col.3, lines 35-40 & 45-48).



As per **claim 10**, Prithviraj teaches of further comprising creating at least one Web page with a web page authoring tool in combination with at least one Web object, wherein the at least one Web object is a self-contained entity with object data, an associated presentation and a state machine lifecycle (see col.3, lines 35-48).

As per **claim 12**, Prithviraj further teaches wherein automatically gathering data is in real-time (inherent: see col.2, lines 40-43).

As per **claim 17**, Prithviraj teaches of further comprising dynamically altering the appearance of a persistent Web object (see col.3, lines 40-45).

As per **claim 18**, Prithviraj teaches of further comprising separating the presentation of the persistent Web object from its content (see col.3, lines 18-25 and col.13, line 61 to col.14, line 4).

As per **claim 19**, Prithviraj teaches of further comprising placing layout and appearance instructions for the Web object in at least one template (see col.12, lines 50-55 and col.13, lines 54-59).

As per **claim 20**, Prithviraj teaches of further comprising dynamically altering the appearance of a Web object in response to dynamic events (see col.3, lines 40-45).

As per **claim 22**, Prithviraj teaches of further comprising a network database that stores networked device information from the networked devices, the network database providing the networked device information to the at least one Web object (see col.3, lines 49-66).

As per **claim 23**, Prithviraj further teaches wherein the Web-object further comprises at least one template (see col.3, lines 35-40 & 45-48).

As per **claim 24**, Prithviraj teaches of further comprising a network database that stores networked device information from the networked devices, the network database providing the networked device information to at least one template (see col.3, lines 49-66).

As per **claim 25**, Prithviraj teaches of further comprising a web page authoring tool that creates the Web page using at least one template (see col.13, lines 59-60).

6. Claims 13-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prithviraj et al. (US 5,987,513 A) and Dadiomov et al. (US 6,529,932 B1), and still further in view of Mitchell et al. (US 6,356,933 B2).

As per **claim 13**, Prithviraj and Dadiomov do not explicitly teach of further comprising ensuring integrity of at least one persistent Web object to enable accurate updating of data embedded in at least one Web page. Mitchell teaches of ensuring integrity of at least one persistent Web object to enable accurate updating of data embedded in at least one Web page (see col.11, lines 15-21). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Mitchell within the system of Prithviraj and Dadiomov by implementing a means for ensuring integrity of at least one persistent Web object to enable accurate updating of data embedded in at least one Web page within the Web-based presentation method because this would eliminate corruption of information when plurality of users "perform configuration management" (see col.4, lines 2-3) simultaneously on the same network information element.

As per **claim 14**, Prithviraj teaches of further comprising manipulating a common persistent Web object using one or more front-end Web servers (see Fig.1, #101; Fig.3, #330; and col.2, lines 48-52) while maintaining integrity of data in the common Web object.

As per **claim 15**, Prithviraj teaches of further comprising presenting simultaneous alternative views of the common Web-object (implicit: see col.3, lines 50-52: "using a browser in a known way"; Web documents are infinitely reproducible and settings can be changed).

As per **claim 16**, Prithviraj teaches of further comprising allowing each of a plurality of users to access the common Web object in different ways without affecting the view of the other users (see col.2, lines 47-52 and col.3, lines 49-52).

### ***Response to Arguments***

7. Applicant's arguments filed June 20, 2005 have been fully considered but they are not persuasive.

In response to the argument regarding claims 1, 11, and 21, Prithviraj does not teach a method for operating a Web-based management system that includes "providing a runtime support to ensure that the data is atomically processed per event without being interrupted, wherein the runtime support includes an event queue that

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operates on a first-in-first-out basis", however Dadiomov clearly teaches this limitation (see rejections above).

For the reasons above claims 1-25 remain rejected.

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

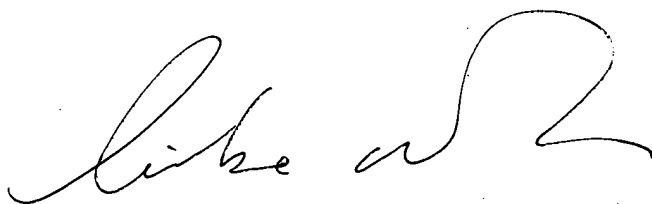
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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Won



August 15, 2005

*Bharat Barot*  
**BHARAT BAROT**  
**PRIMARY EXAMINER**